

## CLAIMS

1. Use of an effective amount of ascorbic acid or of one of its analogues in the preparation of a composition intended to be applied to the skin to increase the level of differentiation ~~and/or proliferation of skin fibroblasts.~~
2. Use of an effective amount of ascorbic acid or of one of its analogues in the preparation of a composition intended to be applied to the skin to increase the level of differentiation of skin keratinocytes.
3. Use of an effective amount of ascorbic acid or of one of its analogues in a composition or in the preparation of a composition intended to be applied to the skin to stimulate the synthesis of cutaneous vimentin.
4. Use of an effective amount of ascorbic acid or of one of its analogues in a composition or in the preparation of a composition intended to be applied to the skin to stimulate the synthesis of cutaneous keratin 10.
5. Use according to one of the preceding claims, characterized in that the ascorbic acid analogues are chosen from its salts, its esters and its sugars.
6. Use according to the preceding claim, characterized in that the ascorbic acid analogues are

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chosen from sodium ascorbate, magnesium sodium ascorbyl phosphate, its acetic, propionic and palmitic esters, and glycosyl ascorbic acid.

7. Use according to any one of the preceding  
5 claims, characterized in that the amount of ascorbic acid or its analogues represents from 0.001% to 20%, preferably from 0.1% to 15% and advantageously from 3% to 10%, relative to the total weight of the composition.
- 10 8. Process for increasing the synthesis of cutaneous vimentin in an individual who is deficient in cutaneous vimentin, comprising the topical application to the skin of an effective amount of ascorbic acid or of one of its analogues.
- 15 9. Process for increasing the synthesis of cutaneous keratin 10 in an individual who is deficient in cutaneous keratin 10, comprising the topical application to the skin of an effective amount of ascorbic acid or of one of its analogues.
- 20 10. Process for increasing the level of differentiation ~~and/or proliferation~~ of skin fibroblasts in an individual with an abnormally low level of fibroblast differentiation ~~and/or~~ proliferation, comprising the topical application to  
25 the skin of an effective amount of ascorbic acid or of one of its analogues.

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11. Process for increasing the level of differentiation of skin keratinocytes in an individual with an abnormally low level of keratinocyte differentiation, comprising the topical application to  
5 the skin of an effective amount of ascorbic acid or of one of its analogues.

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